

Patent Abstracts of Japan

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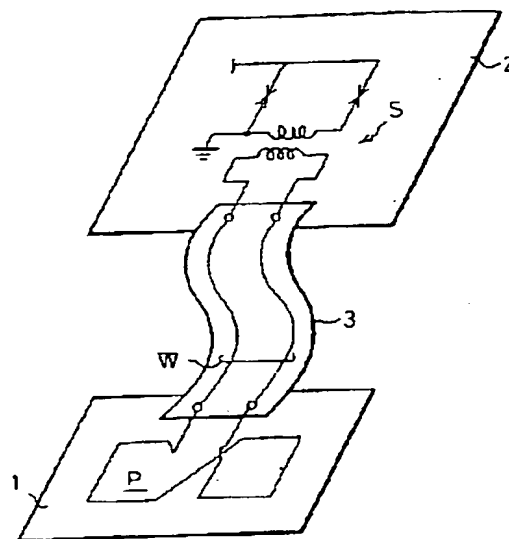
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TITLE : SQUID FLUXMETER



ABSTRACT : PURPOSE: To eliminate a crosstalk and to form a pickup coil with high dimensional accuracy by a method wherein the pickup coil formed on a substrate and a sensor formed in another substrate are connected to each other via a wiring consisting of a superconducting thin film formed on a substrate having a flexibility.

CONSTITUTION: A superconducting thin film formed on a substrate 1 is processed by patterning and a pickup coil P is formed. On the other hand, a SQUID sensor S, which is constituted of a superconducting circuit formed on a substrate 2 and corresponds to the coil P, is provided. Moreover, a superconducting film formed on a substrate 3 having a flexibility is processed by patterning and a wiring W is formed. The coil P and the sensor S are connected to each other via the wiring W.

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